

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Liew, et al.

Application No.: 10/753,976      Group No.: 3737  
 Filed: January 7, 2004      Examiner: Ramirez, J.

For: **METHODS OF PREDICTING MUSCULOSKELETAL DISEASE**

**Mail Stop Amendment**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

(Supplemental Information Disclosure Statement--Page 1 of 6)

**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

(When using Express Mail, the Express Mail label number is **mandatory**;  
 Express Mail certification is **optional**.)

I hereby certify that, on the date shown below, this correspondence is being:

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**37 C.F.R. SECTION 1.8(a)**

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**37 C.F.R. SECTION 1.10\***

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[ ] transmitted by facsimile to the Patent and Trademark Office.

09/12/2006 HUUONG1 00000082 194972 10753976

02 FC:1806 180.00 DA

Date: September 8, 2006

Signature

Alexander J. Smolenski, Jr.

(type or print name of person certifying)

**\*WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. section 1.10(b).  
 "Since the filing of correspondence under section 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

**NOTE:** "An information disclosure statement shall be considered by the Office if filed by the applicant:

- (1) Within three months of the filing date of a national application;
- (2) Within three months of the date of entry of the national stage as set forth in section 1.491 in an international application; or
- (3) Before the mailing date of a first Office action on the merits, whichever event occurs last." 37 C.F.R. section 1.97(b).

**NOTE:** "Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section." 37 C.F.R. section 1.56(a).

"Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) each inventor named in the application;
- (2) each attorney or agent who prepares or prosecutes the application; and
- (3) every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application." 37 C.F.R. section 1.56(c).

**NOTE:** The "duty as described in section 1.56 will be met so long as the information in question was cited by the Office or submitted to the Office in the manner prescribed by sections 1.97(b) - (d) and 1.98 before issuance of the patent." Notice of January 9, 1992, 1135 O.G. 13-25 at 17.

**WARNING:** "No information disclosure statement may be filed in a provisional application." 37 C.F.R. section 1.51(b).

#### **List of Sections Forming Part of This Supplemental Information Disclosure Statement**

The following sections are being submitted for this Supplemental Information Disclosure Statement:

1. Preliminary Statements
2. Forms PTO/SB/08A and 08B (substitute for Form PTO-1449)
3. Statement as to Information Not Found in Patents or Publications
4. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
5. Cumulative Patents or Publications
6. Copies of Listed Information Items Accompanying This Statement
7. Concise Explanation of Non-English Language Listed Information Items
  - 7A. EPO Search Report
  - 7B. English Language Version of EPO Search Report
8. Translation(s) of Non-English Language Documents
9. Concise Explanation of English Language Listed Information Items (Optional)
10. Identification of Person(s) Making This Information Disclosure Statement

## **Section 1. Preliminary Statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this supplemental information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this supplemental information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.



**SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Liew, et al.

Attorney Docket: 3155/121  
(previously 6750-13)

Serial No: 10/753,976

Art Group Unit: 3737

Date Filed: January 7, 2004

Examiner Name: Ramirez, J.

Invention: **METHODS OF PREDICTING MUSCULOSKELETAL DISEASE**

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	AA	US 4,721,112	Jan. 26, 1988	Hirano, et al.	1287/659
	AB	US 5,270,651	Dec. 14, 1993	Wehrli	324/308
	AC	US 5,320,102	Jun. 14, 1994	Paul, et al.	128/653.2
	AD	US 5,673,298	Sep. 30, 1997	Mazess	378/54

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee or Applicant	Class/Subclass
	AE	WO	00/72216	Nov. 30, 2000	Torsana Osteoporosis Diagnostics A/S	G06F 19/00
	AF	WO	02/22014	Mar. 31, 2002	Leland Stanford Junior University	A61B 05/055

OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	AG	B. Cortet, et al.	"Bone Microarchitecture and Mechanical Resistance" <i>Joint Bone Spine</i> , Vol. 68, Pp. 297-305 (2001)

Examiner Signature: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if *not* in conformance and not considered. Include copy of this form with next communication to applicant.

## **Section 6. Copies of Listed Information Items Accompanying This Statement**

*NOTE: 37 C.F.R. section 1.98(a)(2) requires that any information disclosure statement filed under section 1.97 shall include: "A legible copy of: (i) Each U.S. and foreign patent; (ii) Each publication or that portion which caused it to be listed; and (iii) All other information or that portion which caused it to be listed, except that no copy of a U.S. patent application need be included . . ."*

*NOTE: The wording in section 1.98(a)(2)(iii) makes it clear that the requirement to submit a copy of each item of information listed in an information disclosure statement does not apply to the citation of a U.S. patent application. Notice of January 9, 1992, 1135 O.G. 13-25, at 14.*

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.

*(complete the following, if applicable)*

Exception(s) to above:

**U.S. patent citations are not included pursuant to the United States Patent and Trademarks Office's September 21, 2004 waiver of the copy requirement in 37 CFR 1.98 for cited pending U.S. patent citations when the patent citations are available in the USPTO's IFW system.**

Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.

Cumulative patents or publications identified in Section 5.

**Section 10. Identification of Person(s) Making This Supplemental Information Disclosure Statement**

The person making this certification is

*(check each applicable item)*

(a)  the inventor(s) who signs below

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**SIGNATURE OF INVENTOR**

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*(type name of inventor who is signing)*

(b)  an individual associated with the filing and prosecution of this application (37 C.F.R. section 1.56(c))

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**SIGNATURE OF INVENTOR**

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*(type name of inventor who is signing)*

(c)  the practitioner who signs below on the basis of the information:

*(check each applicable item)*

supplied by the inventor(s).

supplied by an individual associated with the filing and prosecution of this application. (37 C.F.R. section 1.56(c)).

in the practitioner's file.



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**SIGNATURE OF PRACTITIONER**

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Reg. No.: 47,953

Alexander J. Smolenski

*(type or print name of practitioner)*

Tel. No.: (617) 443-9292

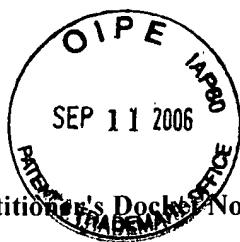
125 Summer Street, 11<sup>th</sup> Floor

P.O. Address

Customer No.: 002101

Boston, MA 02110-1618

03155/00121 545490.1



Practitioner's Docket No. 3155/121 (previously 6750-13)

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Liew, et al.  
Application No.: 10/753,976  
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Group No.: 3737  
Examiner: Ramirez, J.

**Mail Stop Amendment**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF EITHER A FINAL ACTION  
OR NOTICE OF ALLOWANCE (37 C.F.R. § 1.97(c))**

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**CERTIFICATION UNDER 37 C.F.R. ' ' 1.8(a) and 1.10\***

(When using Express Mail, the Express Mail label number is **mandatory**;  
*Express Mail certification is optional.*)

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**37 C.F.R. § 1.8(a)**

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**37 C.F.R. § 1.10\***

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**TRANSMISSION**

facsimile transmitted to the Patent and Trademark Office, (703) \_\_\_\_\_



Date: September 8, 2006

Alexander J. Smolenski, Jr.  
(type or print name of person certifying)

\* Only the date of filing (' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" (' 1.10) or facsimile transmission (' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

**TIME OF TRANSMITTAL OF ACCOMPANYING  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

1. The supplemental information disclosure statement transmitted herewith is being filed *after* three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but *before* the mailing date of either
  - (1) a final action under § 1.113 or
  - (2) a notice of allowance under § 1.311whichever occurs first.

**FEE**

2. Accompanying this transmittal is the fee for submission of an information disclosure statement under section 1.97(c). (\$180.00)

**FEE PAYMENT**

3. Applicant elects the option to pay the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under § 1.97(c) (\$180.00).

Fee due \$180.00

**METHOD OF PAYMENT OF FEE**

4. Authorization is hereby made to charge the amount of \$180.00 to Deposit Account No. 19-4972.

Charge any additional fees required by this paper or credit any overpayment to Deposit Account No. 19-4972.

A duplicate of this paper is attached.

DATE: September 8, 2006



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